

## CLAIMS

What is claimed is:

1. A lens position determination apparatus of an optical pickup comprising:  
a lens holder on which a lens is mounted;  
a base supporting the lens holder; and  
a bendable pressing member pressing the lens holder toward the base to fix the position of the lens holder,  
wherein the base comprises an accommodation surface where the lens holder is accommodated and a pair of facing support walls erected on the accommodation surface and the bendable pressing member is installed between the pair of facing support walls and comprises an arm having both end portions closely contacting the pair of facing support walls at both sides, a first elastic portion provided between both end portions of the arm and applying an elastic force in a direction in which both end portions of the arm closely contact the pair of facing support walls, and a second elastic portion connected to the arm and pressing the lens holder toward the accommodation surface.
2. The apparatus as claimed in claim 1, wherein the first elastic portion is provided symmetrically at both sides of the arm with respect to a middle portion of the arm.
3. The apparatus as claimed in claim 1, further comprising a fixing plate installed at both end portions of the arm and closely contacts the pair of facing support walls.
4. The apparatus as claimed in claim 1, further comprising a stopper preventing the arm from escaping in a direction opposite to the direction in which the pressing force of the second elastic portion is applied is provided at the lens holder.
5. The apparatus of claim 1, wherein the second elastic portion is provided in a center of the arm and is an elastic hollow cylindrical structure.
6. The apparatus of claim 1, wherein the bendable pressing member has a weight allowing bending of the same with a weight of a contacting rod.

7. The apparatus of claim 1, wherein the bendable pressing member is bendable in a V shape at the second elastic portion to reduce a frictional resistance of the bendable pressing arm with the support walls and to reduce the pressing force of the bendable pressing arm with the lens holder, thereby allowing stable adjustment of the lens holder.

8. An optical storage medium recording/reproducing apparatus, comprising:  
an optical pickup system comprising a lens position determination apparatus, the lens position determination apparatus comprising:  
a lens holder on which a lens is mounted;  
a base comprising an accommodation surface supporting the lens holder and a pair of facing support walls installed on the accommodation surface; and  
a bendable pressing arm frictionally installed between the pair of facing support walls and pressing the lens holder toward the base to fix a position of the lens holder.

9. The apparatus of claim 8, wherein the bendable pressing arm comprises a first elastic portion provided between both end portions of the arm and applying an elastic force in a direction in which both end portions of the arm frictionally contact the pair of facing support walls, and a second elastic portion connected to the arm and pressing the lens holder toward the accommodation surface to fix the position of the lens holder.

10. The apparatus of claim 8, wherein the bendable pressing arm is bendable in a V shape to reduce the frictional resistance of the bendable pressing arm with the support walls and to reduce the pressing force of the bendable pressing arm with the lens holder, thereby allowing stable adjustment of the lens holder.

11. The apparatus of claim 9, wherein the bendable pressing arm is bendable in a V shape at the second elastic portion to reduce the frictional resistance of the bendable pressing arm with the support walls and to reduce the pressing force of the bendable pressing arm with the lens holder, thereby allowing stable adjustment of the lens holder.

12. A lens position adjuster, comprising:  
a lens holder on which a lens is mounted;  
a base supporting the lens holder; and  
a frictionally releasable arm frictionally fixing and releasing a position of the lens holder in the base to focus the lens.

13. The lens position adjuster of claim 12, further comprising a rod used to apply a pressing force onto the frictionally releasable arm, releasing the arm and the position of the lens holder in the base to allow focusing the lens.